



JOB OPENING NOTICE:

Job Title:

Network Engineer

Open Dates: 8/3/22 – 8/17/22

If you are interested in applying for this position, please turn in your resume to

Daniel Pittman.

Contact info:

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**TALLAHATCHIE VALLEY ELECTRIC POWER ASSOCIATION
JOB DESCRIPTION**

Title:	Network Engineer	Reviewed:	August 2022
Job Code:	57-2342	Exempt Status:	Exempt
EEO-1		Reports To:	Manager of Network Operations
EEO-1 Class		Supervises:	

JOB PURPOSE

The Network Engineer's role is to ensure the stability and integrity of the fiber optic network. This is achieved by planning, designing, developing, and maintaining the entire fiber network from the central office to the end-user devices. The Network Engineer will participate in the installation, monitoring, maintenance, Tiers 2 and 3 support, and optimization of all network hardware and software. This individual will be required to analyze and resolve network hardware and software problems in a timely and accurate manner. Customer service interactions and assistance will be required from time to time.

DUTIES AND RESPONSIBILITIES

Primary Functions

- Responsible for the day-to-day operations and reliability of the network
- Installation, configuration, and maintenance of broadband equipment, including but not limited to the following: Ciena DWDM systems, ADTRAN GPON/XGS-PON platforms, Juniper Routers and Switches, Cisco switches, Linux Servers, BGP, DHCP, DNS, and VM Ware
- Troubleshooting, repairing network, and system failures
- Engage with vendor support to resolve all system-related impairments
- Develop and maintain up-to-date documentation related to the topology and configuration specifications of the network
- Develop and execute detailed MOPs related to the maintenance and deployment of equipment while ensuring interoperability and network availability
- Create and maintain documentation in relation to network configuration, mapping, processes, and service records
- Conduct research on network products, services, protocols, and standards to remain up to date on developments in the networking industry
- Evaluate network performance, identify bottlenecks, and find ways of improvement while ensuring the long-term efficiency of the network
- Develop, implement, and maintain policies, procedures, and associated training plans for network administration, usage, system backup, and disaster recovery
- Implement and perform server and security audits
- Perform other duties and responsibilities as assigned

Qualifications

- **Education and Accreditation(s):** Bachelor's degree in a related field or equivalent experience
- **Experience:** 4-6 years of experience working in an enterprise-grade carrier network with a heavy focus on TCP/IP and/or GPON Networks. Relevant industry certifications, such as CCNA. Knowledge of Fiber-to-the-Home solutions and carrier-grade architecture. Thorough understanding of outside plant fiber access networks. Intimate knowledge of the OSI model prioritizing layers 1-3. Hands-on experience with common IT hardware and software Knowledge of various cable and connector types, including but not limited to the following: CAT 5e/6, Fiber Patch Cables, and Console Cables
- **Abilities/Skills** Exemplary communication and customer service skills
- **Driving:** Must possess a valid Mississippi Class A commercial driver's license. Must maintain an acceptable driving record.
- **Physical Demands:** Must be physically fit, able to lift 60+ lbs, bend/crouch regularly, extensive walking, etc. Must be able to work outside in all-weather environments and terrain on a regular basis. Must be able to sit for long periods of time and use computer keyboard and/or mouse, while viewing computer screen. Must be able to work on a ladder for an extended period. Must have good hand eye coordination.
- **Work Environment:** The position often involves irregular and long hours including nights, weekends, and holidays. On call rotation is required and must be available during emergency conditions.

Functions performed by all TVEPA Employees

Keeps informed and comply with all TVEPA policies, procedures, and rules. Participates in Job Safety and Training. Complies with all TVEPA safety rules and regulations. Exercises reasonable care in the use and security of all TVEPA assets. Makes every effort to serve all members courteously and efficiently, to respond to their inquiries, satisfy their complaints, and if unable to do so, refer them to the proper persons. Always makes every effort to do all possible to develop members' support. Keeps supervisor informed of all activities and advising of unusual situations or problems that arise. Cooperates with all employees in maintaining good relationships and high morale, exchanging ideas, information, and job experiences.

EXTERNAL RELATIONSHIPS:

Maintain good relationships in all contacts with the public. Establishes effective working relationships, provides information, assistance, coordination, advice, and other positive communication that best represent the business needs of the Association with the following:

- **Members-Consumers:** Responds to inquiries, provides advice and assistance, and promotes Association programs, policies, plans and service.
- **General Public and Community:** Maintains good relationships in all contacts with the public and community. Presents a friendly, positive, and professional image for the Association.

The above statements are intended to describe the general nature and level of work being performed by people assigned to this classification. They are not intended to be construed as an exhaustive list of all duties and responsibilities of personnel so classified.

After an offer of employment has been made the Association requires a physical which will include both alcohol and drug testing.